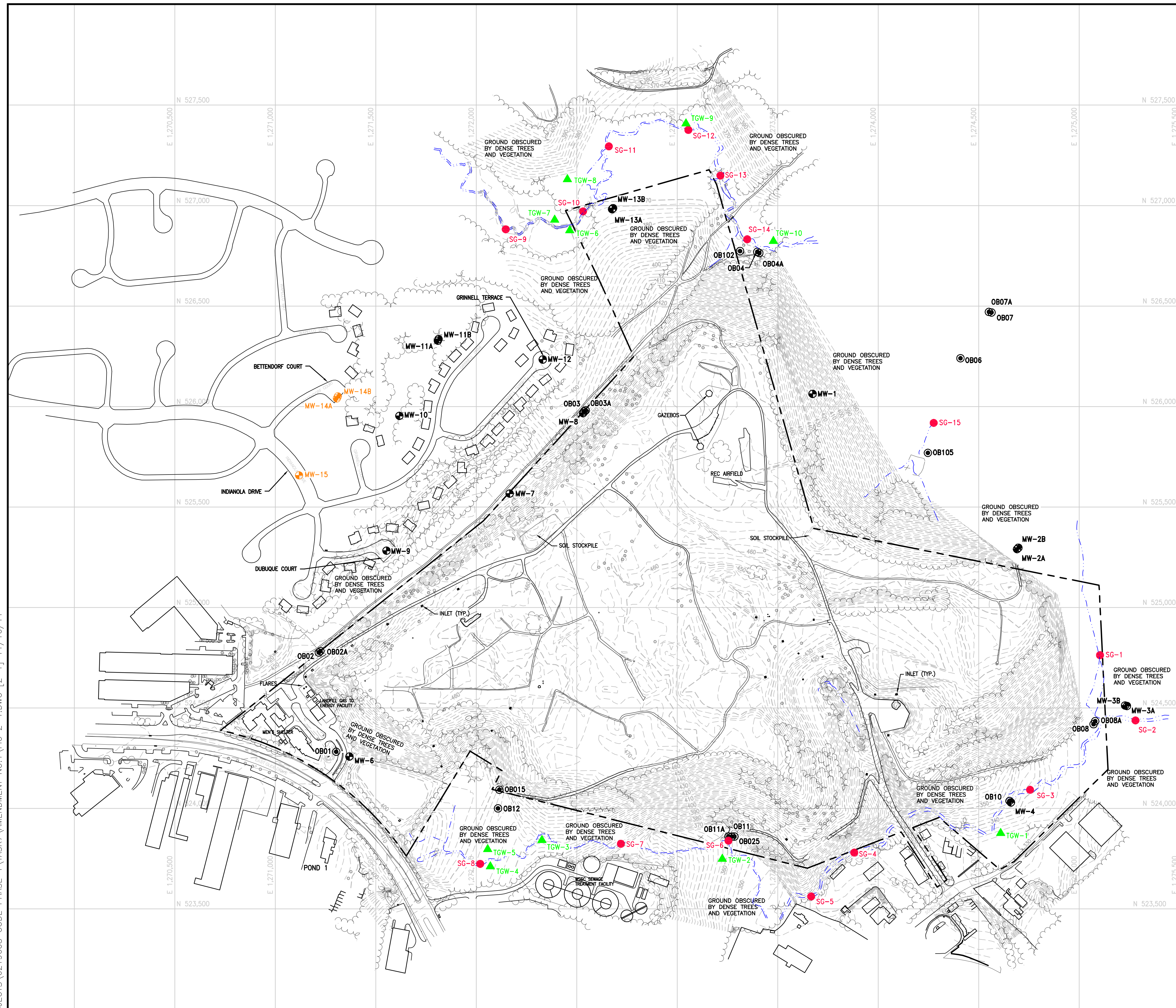


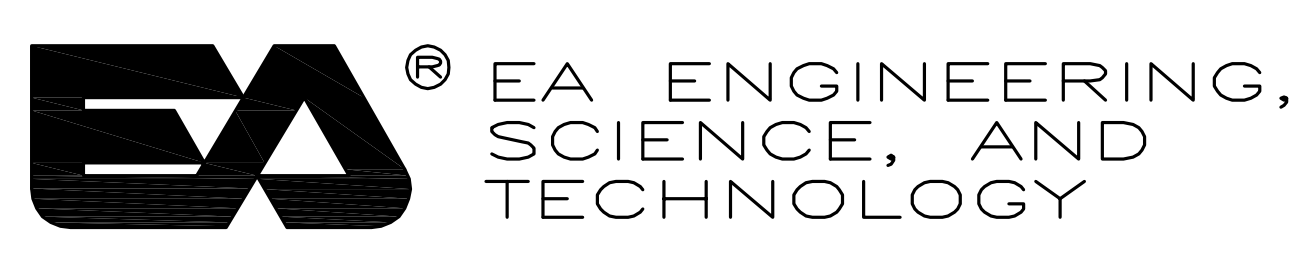
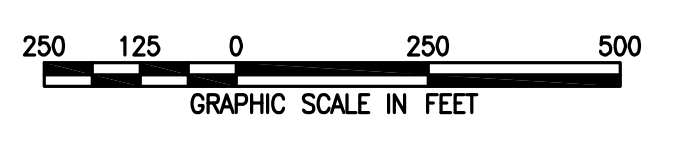
FILE PATH: Q:\PROJECTS\6219608 GUID PHASE 1\TASK7\AMENDMENT NO.1\FIG 2-1.DWG [2-1] 11/16/11



- NOTES:
1. TOPOGRAPHY COMPILED BY APPLIED MAPPING SOLUTIONS, INC. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED 06/24/09 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., OCTOBER 2009.
  2. SURVEY OF STREAMS TAKEN FROM 2007 PHOTOGRAMMETRY BY AXIS GEOSPATIAL, LLC.
  3. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
  4. TOPOGRAPHY IS APPROXIMATE IN AREAS NOTED "GROUND OBSCURED BY DENSE TREES AND VEGETATION".
  5. FIELD SURVEY OF MW-14A, MW-14B, & MW-15, TEMPORARY GROUNDWATER MONITORING LOCATIONS, AND STREAM GAUGE LOCATIONS PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., AUGUST 2011.

LEGEND

- 10-FT CONTOUR
- 2-FT CONTOUR
- PROPERTY BOUNDARY
- STREAM
- SG-X STREAM GAUGE LOCATIONS
- OBX EXISTING GROUNDWATER MONITORING WELL (INSTALLED PRIOR TO 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2011)
- TGW-X TEMPORARY GROUNDWATER MONITORING LOCATION



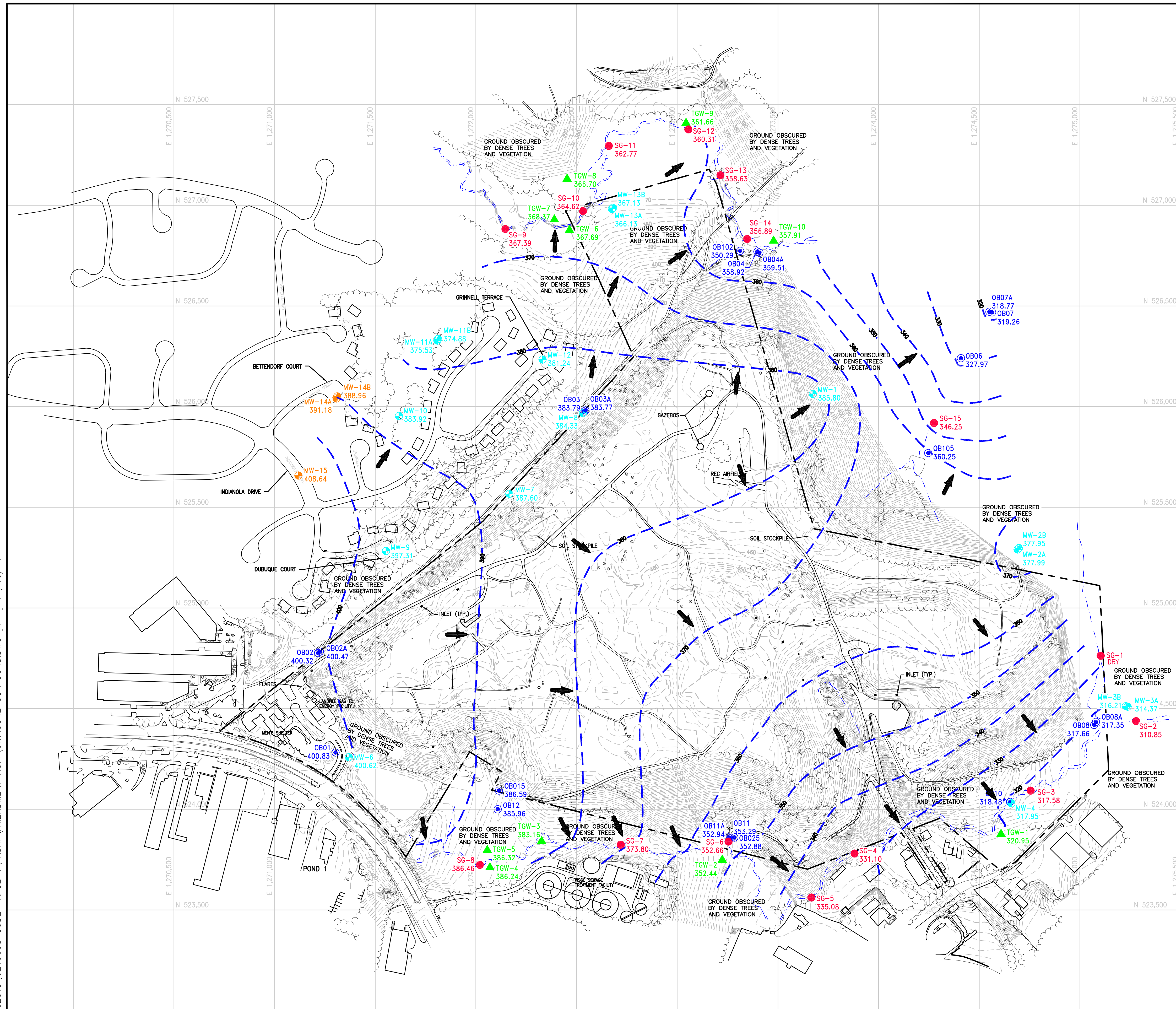
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MONTGOMERY COUNTY, MARYLAND

FIGURE 2-1  
ADDITIONAL GROUNDWATER MONITORING WELL AND STREAM  
GAUGE SURVEY LOCATIONS

DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
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FILE PATH: Q:\PROJECTS\6219608\_GUDE PHASE 1\TASK7\AMENDMENT NO.1\GWF\FIGURE CONTOURS.DWG [4-1] 11/16/11



- NOTES:
1. TOPOGRAPHY COMPILED BY APPLIED MAPPING SOLUTIONS, INC. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED 08/24/09 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., OCTOBER 2009.
  2. SURVEY OF STREAMS TAKEN FROM 2007 PHOTOGRAMMETRY BY AXIS GEOSPATIAL, LLC.
  3. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
  4. TOPOGRAPHY IS APPROXIMATE IN AREAS NOTED "GROUND OBSCURED BY DENSE TREES AND VEGETATION".
  5. FIELD SURVEY OF MW-14A, MW-14B, & MW-15, TEMPORARY GROUNDWATER MONITORING LOCATIONS, AND STREAM GAUGE LOCATIONS PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., AUGUST 2011.
  6. GROUNDWATER ELEVATION DATA FOR OB102 (350.19') NOT USED IN CONTOURING BECAUSE IT IS INCONSISTENT WITH SURROUNDING DATA.

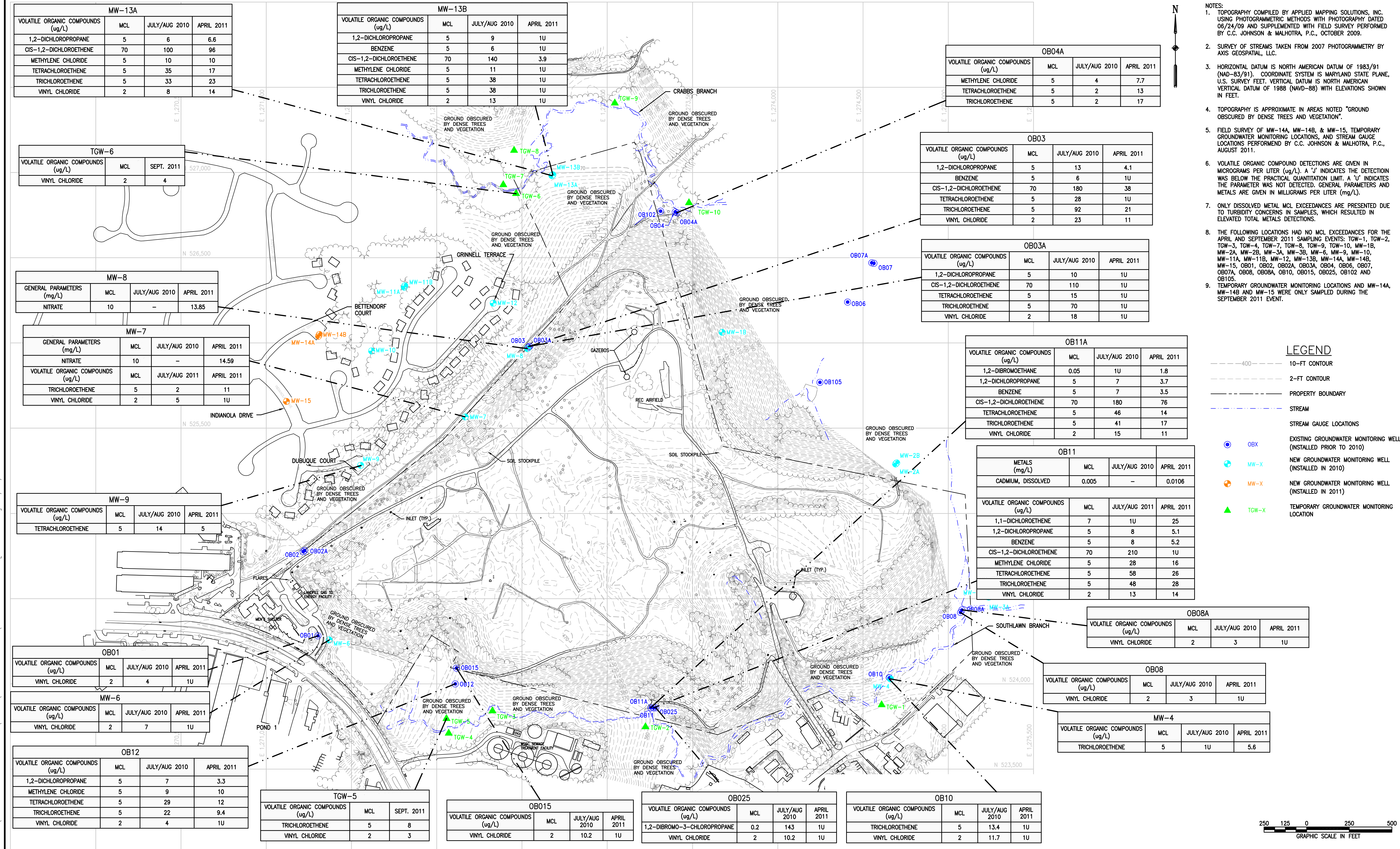
#### LEGEND

- 10-FT CONTOUR
- 2-FT CONTOUR
- PROPERTY BOUNDARY
- STREAM
- GROUNDWATER CONTOUR INTERVAL (10 FEET)
- SG-X STREAM GAUGE LOCATIONS
- OBX EXISTING GROUNDWATER MONITORING WELL (INSTALLED PRIOR TO 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2011)
- TGW-X TEMPORARY GROUNDWATER MONITORING LOCATION
- 318.40 GROUNDWATER ELEVATION (FT. MSL.)
- INFERRED GROUNDWATER FLOW

250 125 0 250 500  
GRAPHIC SCALE IN FEET



FILE PATH: Q:\PROJECTS\6219608 GUDE PHASE 1\TASK7\AMENDMENT NO.1\TAG FIGURES.DWG [FIGURE 4-2] 11/16/11



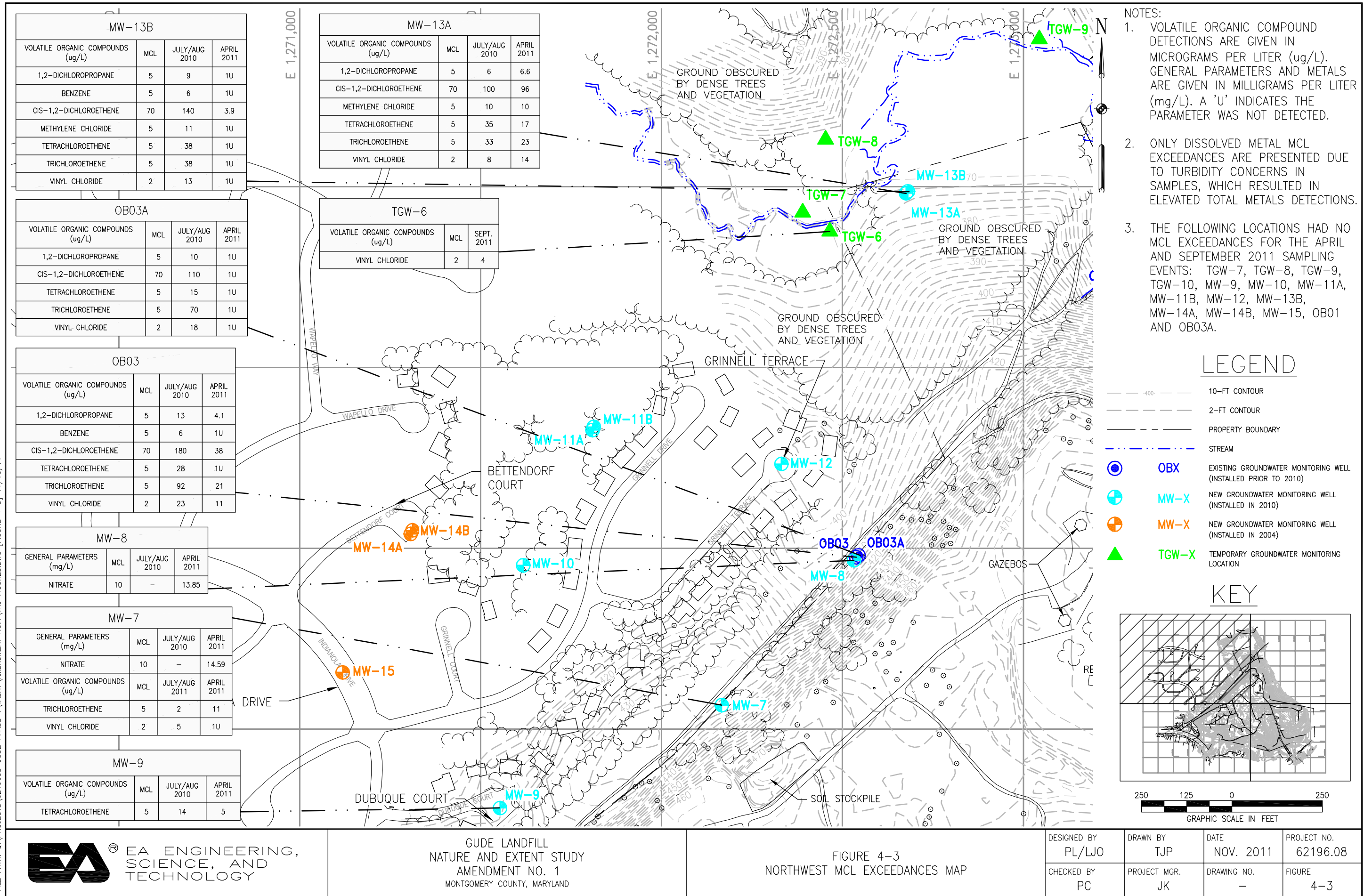
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FIGURE 4-2  
MCL EXCEEDANCES MAP

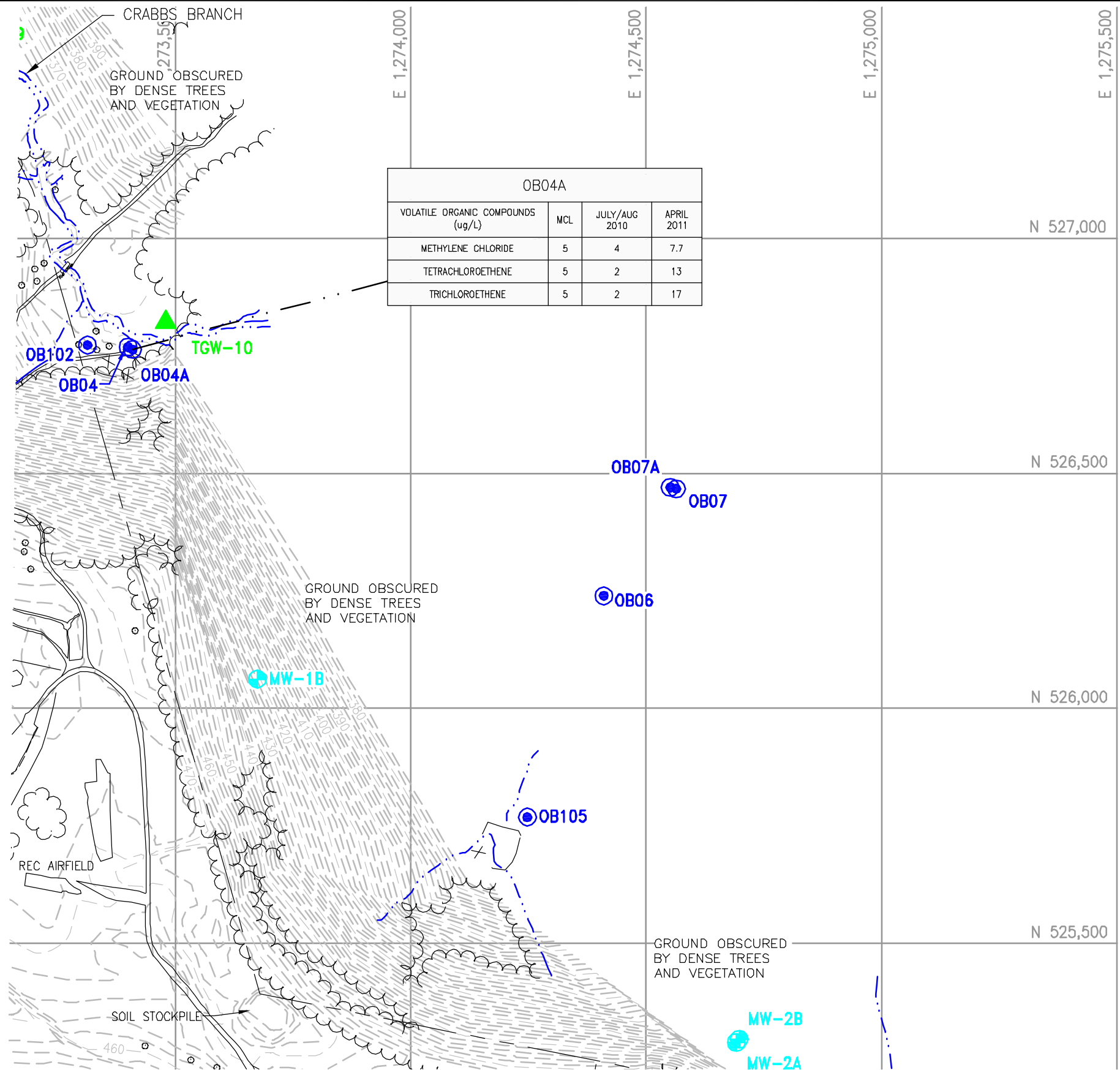
DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. -	FIGURE 4-2



FILE PATH: Q:\PROJECTS\6219608 GUDE PHASE 1\TASK\AMENDMENT NO.1\TAG FIGURES.DWG [FIGURE 4-3] 11/16/11



FILE PATH: Q:\PROJECTS\6219608 GUDE PHASE 1\TASK7\AMENDMENT NO.1\TAG FIGURES.DWG [FIGURE 4-4] 11/16/11

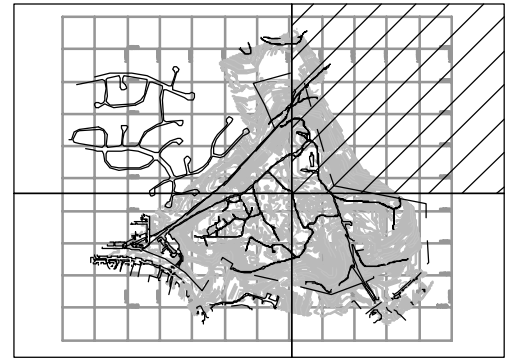


- NOTES:
1. VOLATILE ORGANIC COMPOUND DETECTIONS ARE GIVEN IN MICROGRAMS PER LITER (ug/L). GENERAL PARAMETERS AND METALS ARE GIVEN IN MILLIGRAMS PER LITER (mg/L). A 'U' INDICATES THE PARAMETER WAS NOT DETECTED.
  2. ONLY DISSOLVED METAL MCL EXCEEDANCES ARE PRESENTED DUE TO TURBIDITY CONCERNS IN SAMPLES, WHICH RESULTED IN ELEVATED TOTAL METALS DETECTIONS.
  3. THE FOLLOWING LOCATIONS HAD NO MCL EXCEEDANCES FOR THE APRIL AND SEPTEMBER 2011 SAMPLING EVENTS: TGW-10, MW-1B, MW-2A, MW-2B, OB04, OB06, OB07, OB07A, OB102 AND OB105.

LEGEND

- 10-FT CONTOUR
- 2-FT CONTOUR
- PROPERTY BOUNDARY
- STREAM
- OBX EXISTING GROUNDWATER MONITORING WELL (INSTALLED PRIOR TO 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2010)
- MW-X NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2004)
- TGW-X TEMPORARY GROUNDWATER MONITORING LOCATION

KEY



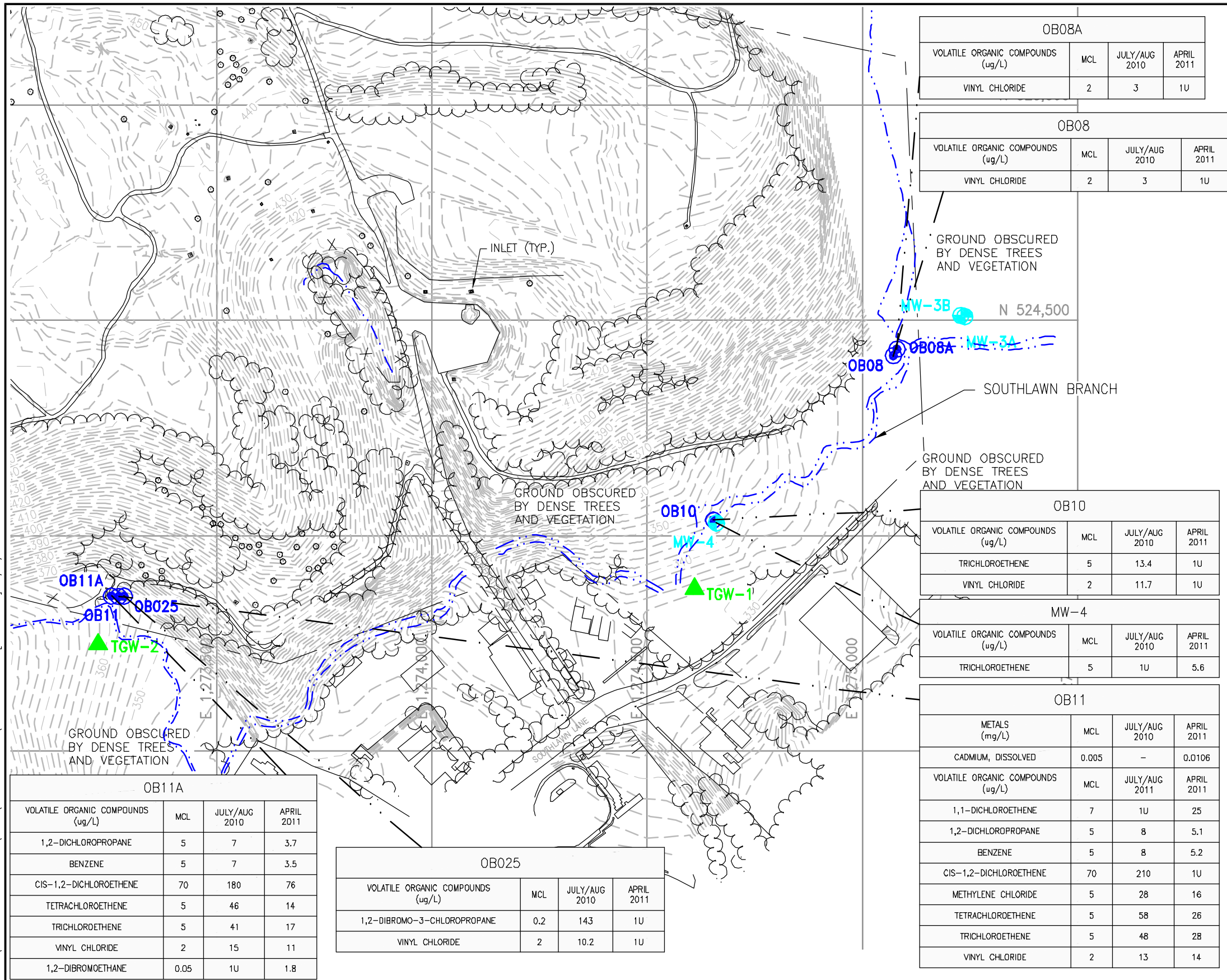
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AMENDMENT NO. 1  
MONTGOMERY COUNTY, MARYLAND

FIGURE 4-4  
NORTHEAST MCL EXCEEDANCES MAP

DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. —	FIGURE 4-4



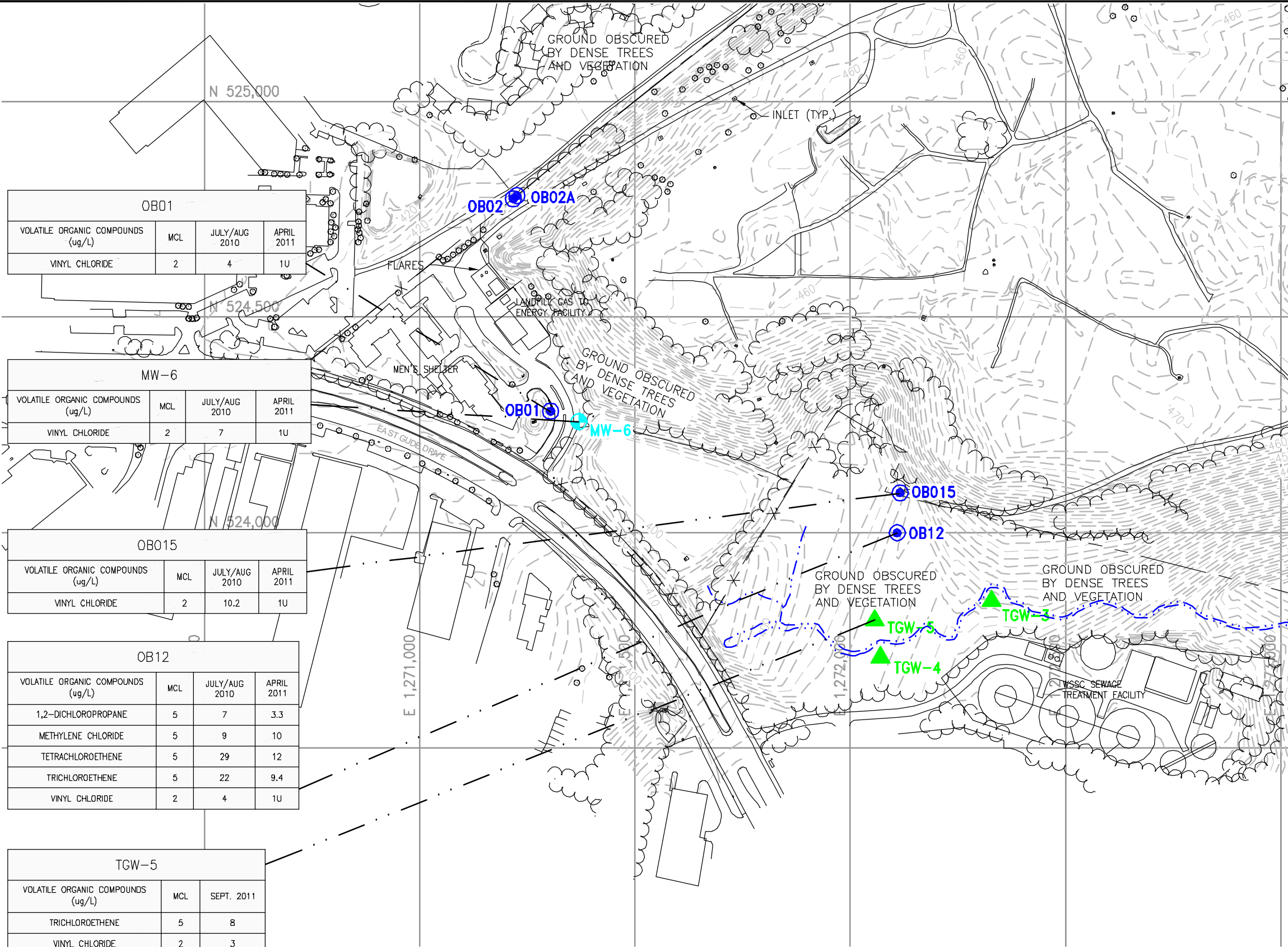
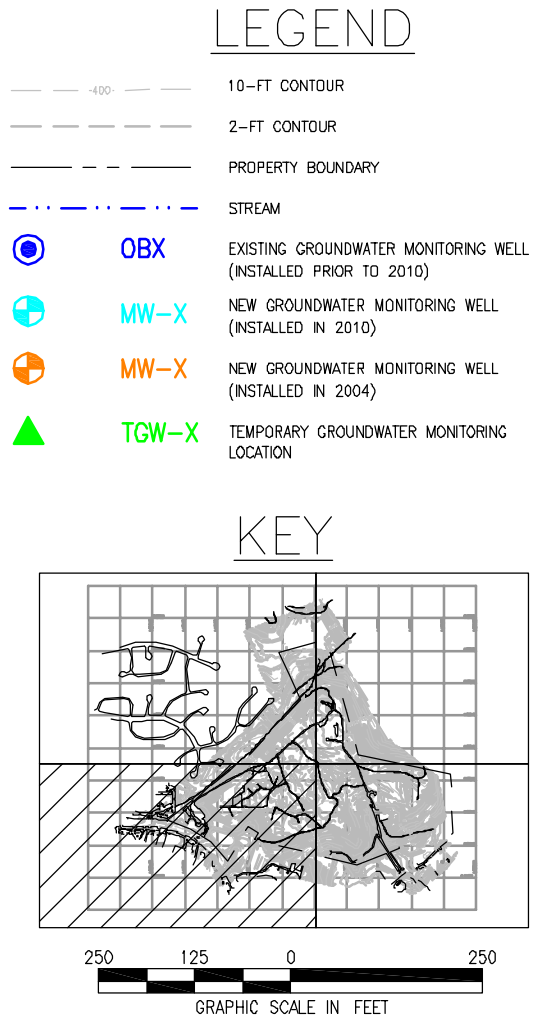
FILE PATH: Q:\PROJECTS\6219608 GUID E PHASE 1\TASK7\AMENDMENT NO.1\TAG FIGURES.DWG [FIGURE 4-5] 11/16/11



- NOTES:
- VOLATILE ORGANIC COMPOUND DETECTIONS ARE GIVEN IN MICROGRAMS PER LITER (ug/L). GENERAL PARAMETERS AND METALS ARE GIVEN IN MILLIGRAMS PER LITER (mg/L). A 'U' INDICATES THE PARAMETER WAS NOT DETECTED.
  - ONLY DISSOLVED METAL MCL EXCEEDANCES ARE PRESENTED DUE TO TURBIDITY CONCERNS IN SAMPLES, WHICH RESULTED IN ELEVATED TOTAL METALS DETECTIONS.
  - THE FOLLOWING LOCATIONS HAD NO MCL EXCEEDANCES FOR THE APRIL AND SEPTEMBER 2011 SAMPLING EVENTS: TGW-1, TGW-2, MW-3A, MW-3B, OB08, OB08A, OB10, AND OB025.



- NOTES:
1. VOLATILE ORGANIC COMPOUND DETECTIONS ARE GIVEN IN MICROGRAMS PER LITER (ug/L). GENERAL PARAMETERS AND METALS ARE GIVEN IN MILLIGRAMS PER LITER (mg/L). A 'U' INDICATES THE PARAMETER WAS NOT DETECTED.
  2. ONLY DISSOLVED METAL MCL EXCEEDANCES ARE PRESENTED DUE TO TURBIDITY CONCERNS IN SAMPLES, WHICH RESULTED IN ELEVATED TOTAL METALS DETECTIONS.
  3. THE FOLLOWING LOCATIONS HAD NO MCL EXCEEDANCES FOR THE APRIL AND SEPTEMBER 2011 SAMPLING EVENTS: TGW-3, TGW-4, MW-6, OB01, OB02, OB02A AND OB015.



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AMENDMENT NO. 1  
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FIGURE 4-6  
SOUTHWEST MCL EXCEEDANCES MAP

DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. -	FIGURE 4-6





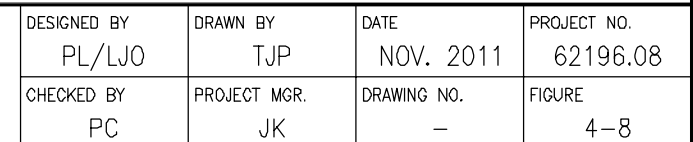
1,2-DIBROMOETHANE (MCL = 0.5 ug/L)	
SAMPLING LOCATION	CONCENTRATION
OB11A	1.8

The map displays a site with various monitoring wells (MW) and groundwater (TGW) points. A red line highlights the path from OB11A (1.8) to the bottom right. The map includes a grid with coordinates (E 1271,000 to E 1275,500 and N 523,500 to N 527,500) and labels for various wells and locations. Key features include:

- Monitoring Wells (MW):** MW-1A, MW-2A, MW-2B, MW-3A, MW-3B, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A, MW-13B, MW-14A, MW-14B, MW-15.
- Groundwater (TGW):** TGW-1, TGW-2, TGW-3, TGW-4, TGW-5, TGW-6, TGW-7, TGW-8, TGW-9, TGW-10.
- Other Features:** OB01, OB02, OB02A, OB03, OB03A, OB04, OB04A, OB06, OB07A, OB08, OB08A, OB10, OB105, OB11A, OB11, OB12, OB15, OB25, OB30, OB31, OB32, OB33, OB34, OB35, OB36, OB37, OB38, OB39, OB40, OB41, OB42, OB43, OB44, OB45, OB46, OB47, OB48, OB49, OB50, OB51, OB52, OB53, OB54, OB55, OB56, OB57, OB58, OB59, OB60, OB61, OB62, OB63, OB64, OB65, OB66, OB67, OB68, OB69, OB70, OB71, OB72, OB73, OB74, OB75, OB76, OB77, OB78, OB79, OB80, OB81, OB82, OB83, OB84, OB85, OB86, OB87, OB88, OB89, OB90, OB91, OB92, OB93, OB94, OB95, OB96, OB97, OB98, OB99, OB100.

- ## LEGEND

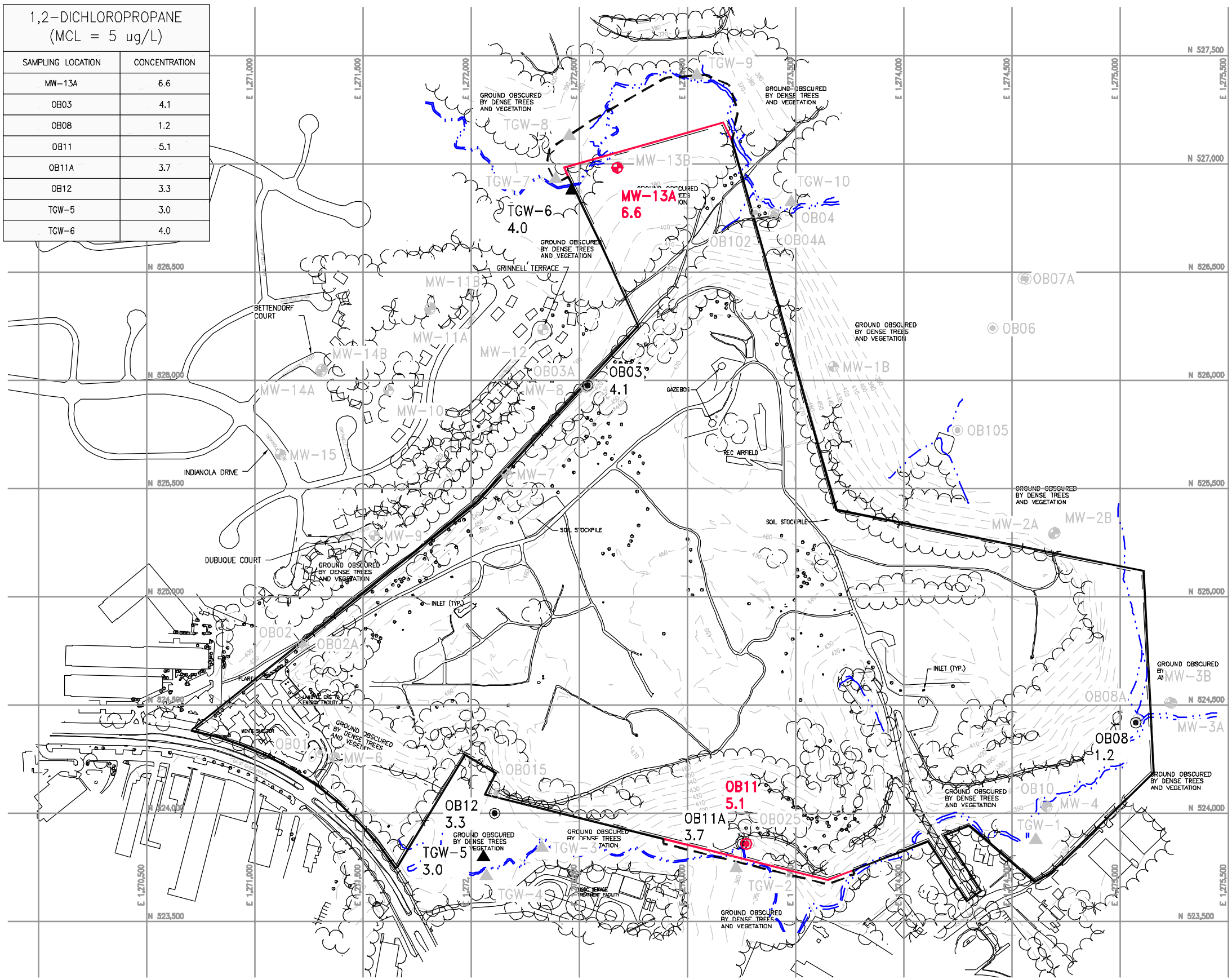
- 
- 500 250 0 500
- GRAPHIC SCALE IN FEET





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1,2-DICHLOROPROPANE (MCL = 5 ug/L)	
SAMPLING LOCATION	CONCENTRATION
MW-13A	6.6
OB03	4.1
OB08	1.2
OB11	5.1
OB11A	3.7
OB12	3.3
TGW-5	3.0
TGW-6	4.0

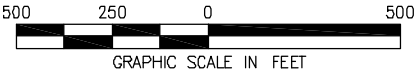


- NOTES:
- TOPOGRAPHY COMPILED BY APPLIED MAPPING SOLUTIONS, INC. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED 06/24/09 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., OCTOBER 2009.
  - HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
  - PARAMETER CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER LITER (ug/L) FROM THE APRIL (COUNTY) AND SEPTEMBER (NES AMENDMENT) 2011 SAMPLING EVENTS. THE MAXIMUM CONTAMINANT LEVEL (MCL) IS 5 ug/L.



## LEGEND

- 10-FT CONTOUR
- PROPERTY BOUNDARY
- STREAM
- EXISTING GROUNDWATER MONITORING WELL (INSTALLED PRIOR TO 2010)  
PARAMETER VALUE IN ug/L
- NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2010 OR 2011)
- TEMPORARY GROUNDWATER MONITORING LOCATION
- SAMPLING LOCATION  
PARAMETER NOT DETECTED
- SAMPLING LOCATION  
PARAMETER DETECTED BELOW MCL (PARAMETER CONCENTRATION IN ug/L)
- SAMPLING LOCATION  
PARAMETER DETECTED AT OR ABOVE MCL (PARAMETER CONCENTRATION IN ug/L)
- COMPLIANCE WITH MCL AT PROPERTY BOUNDARY
- MCL EXCEEDANCE AT PROPERTY BOUNDARY
- INFERRED EXTENT OF POTENTIAL MCL EXCEEDANCE



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FIGURE 4-9  
MCL COMPLIANCE EXTENT MAP - 1,2-DICHLOROPROPANE  
APRIL AND SEPTEMBER 2011 SAMPLING EVENTS

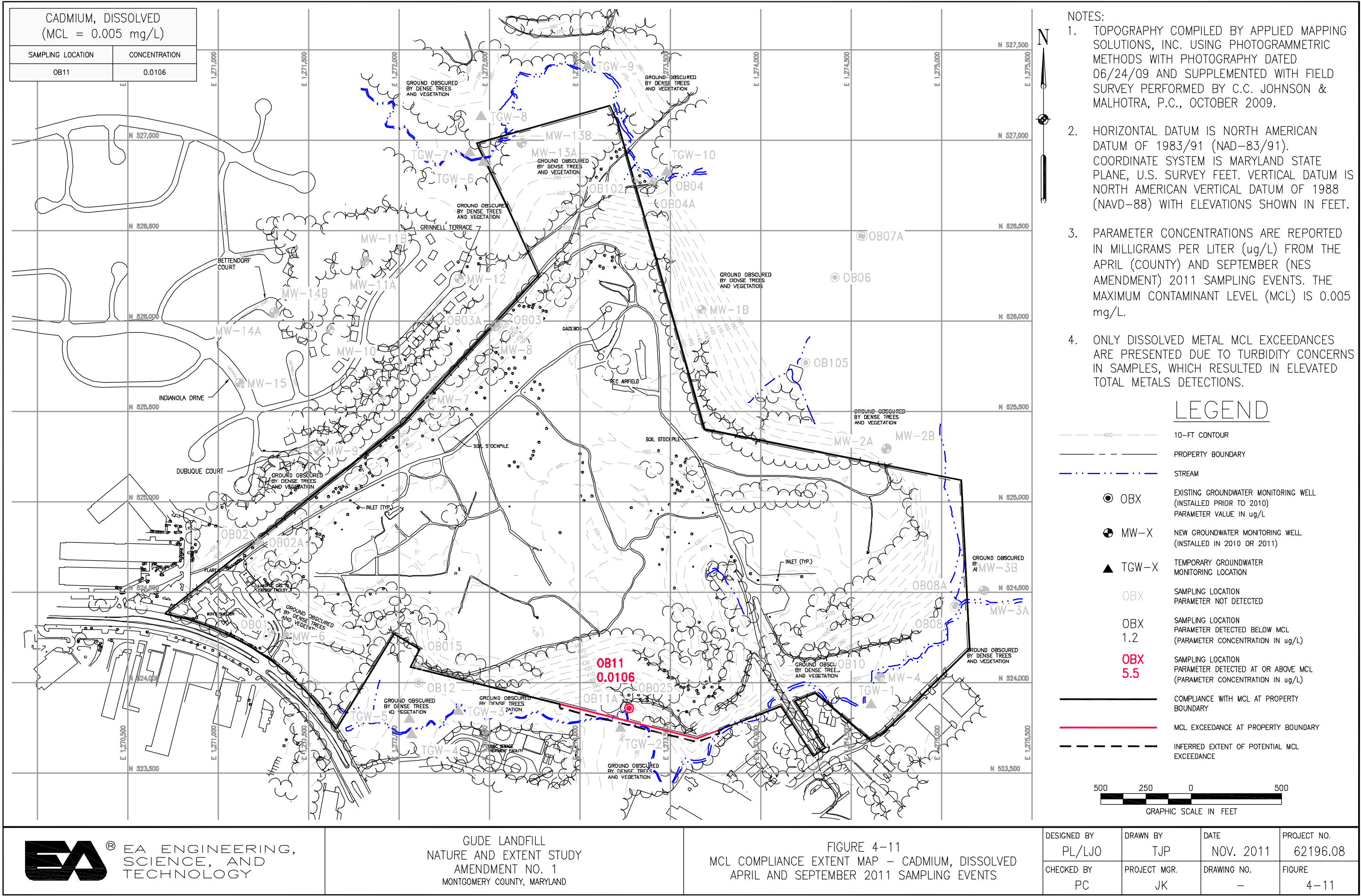
DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. -	FIGURE 4-9







FILE PATH: Q:\PROJECTS\6219608 GUIDE PHASE 1\TASK\AMENDMENT NO.1\MCL COMPLIANCE EXTENT MAPS.DWG [CADMIUM] 11/16/11

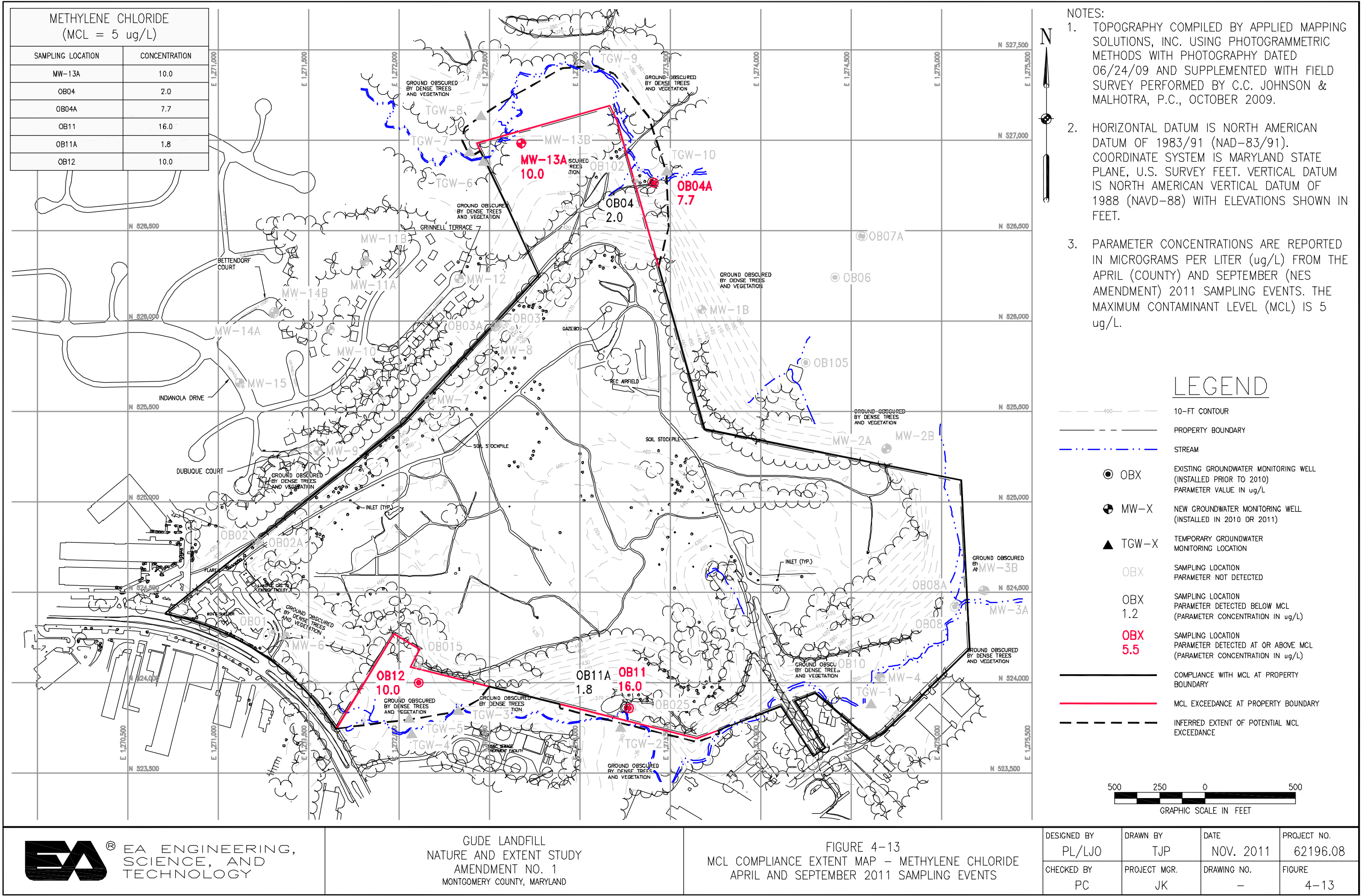






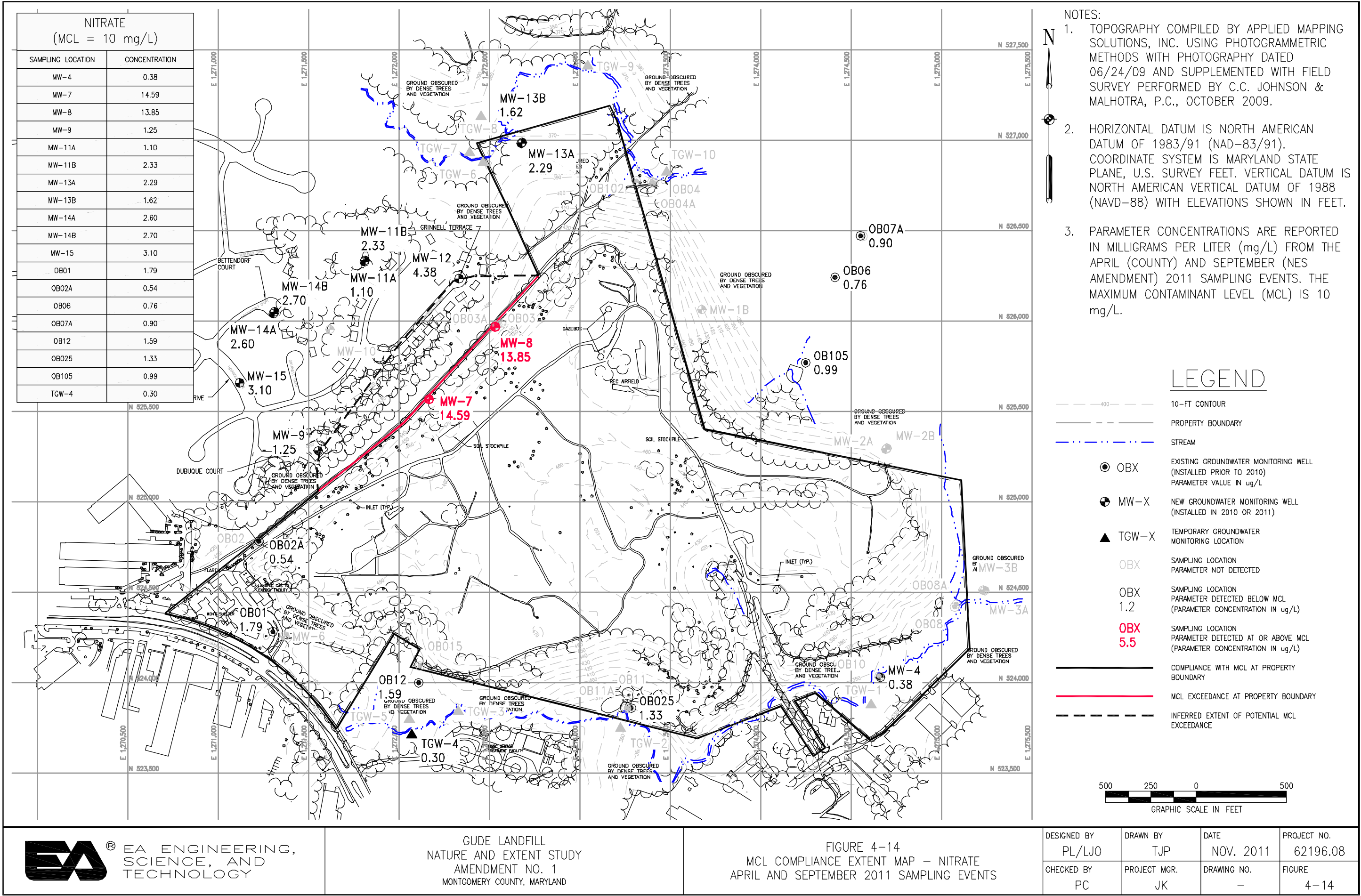


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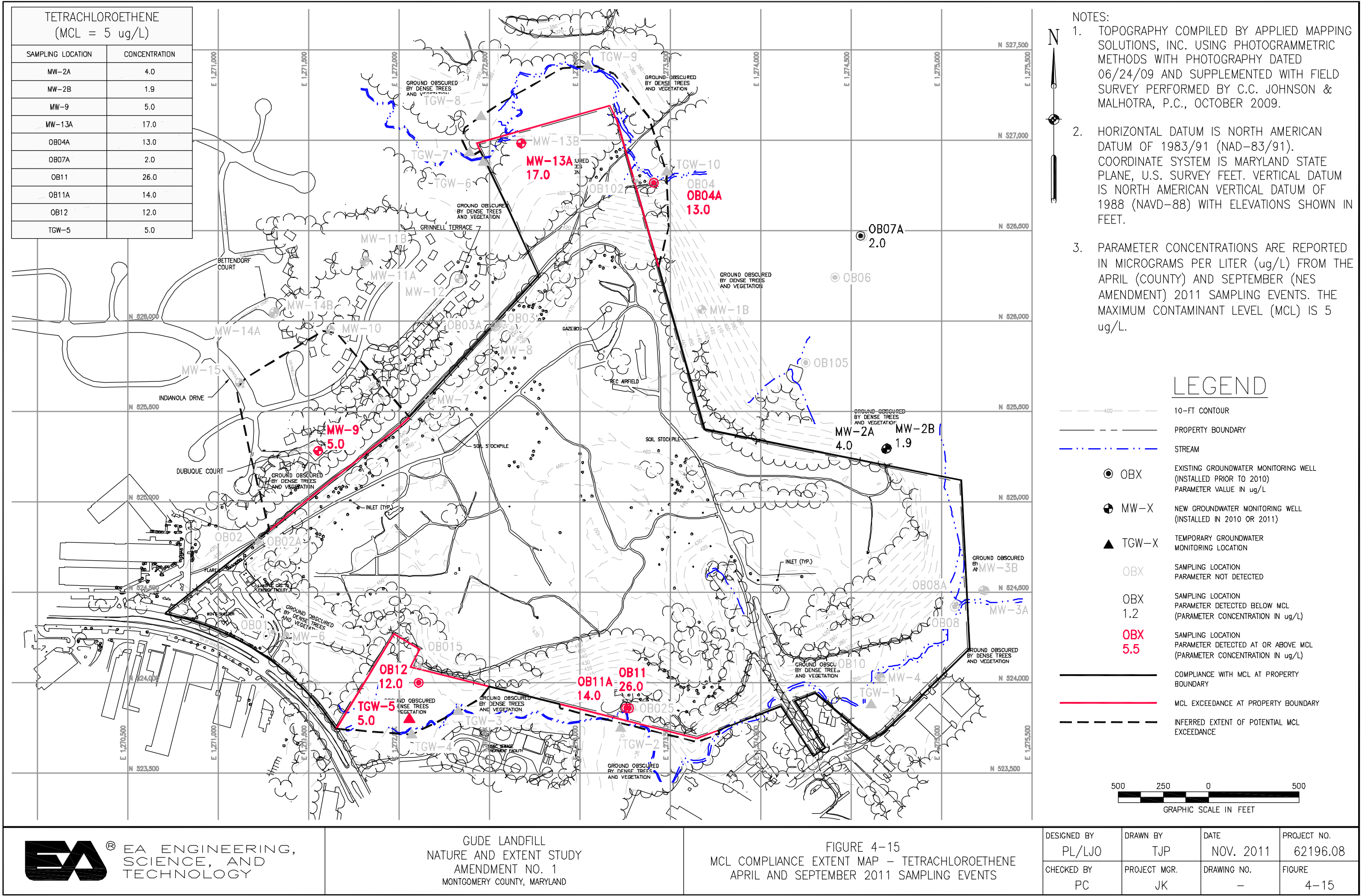
FIGURE 4-14  
MCL COMPLIANCE EXTENT MAP – NITRATE  
APRIL AND SEPTEMBER 2011 SAMPLING EVENTS

DESIGNED BY PL/LJO	DRAWN BY TJP	DATE NOV. 2011	PROJECT NO. 62196.08
CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. –	FIGURE 4-14

- NOTES:
- TOPOGRAPHY COMPILED BY APPLIED MAPPING SOLUTIONS, INC. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED 06/24/09 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., OCTOBER 2009.
  - HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
  - PARAMETER CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER LITER (mg/L) FROM THE APRIL (COUNTY) AND SEPTEMBER (NES AMENDMENT) 2011 SAMPLING EVENTS. THE MAXIMUM CONTAMINANT LEVEL (MCL) IS 10 mg/L.

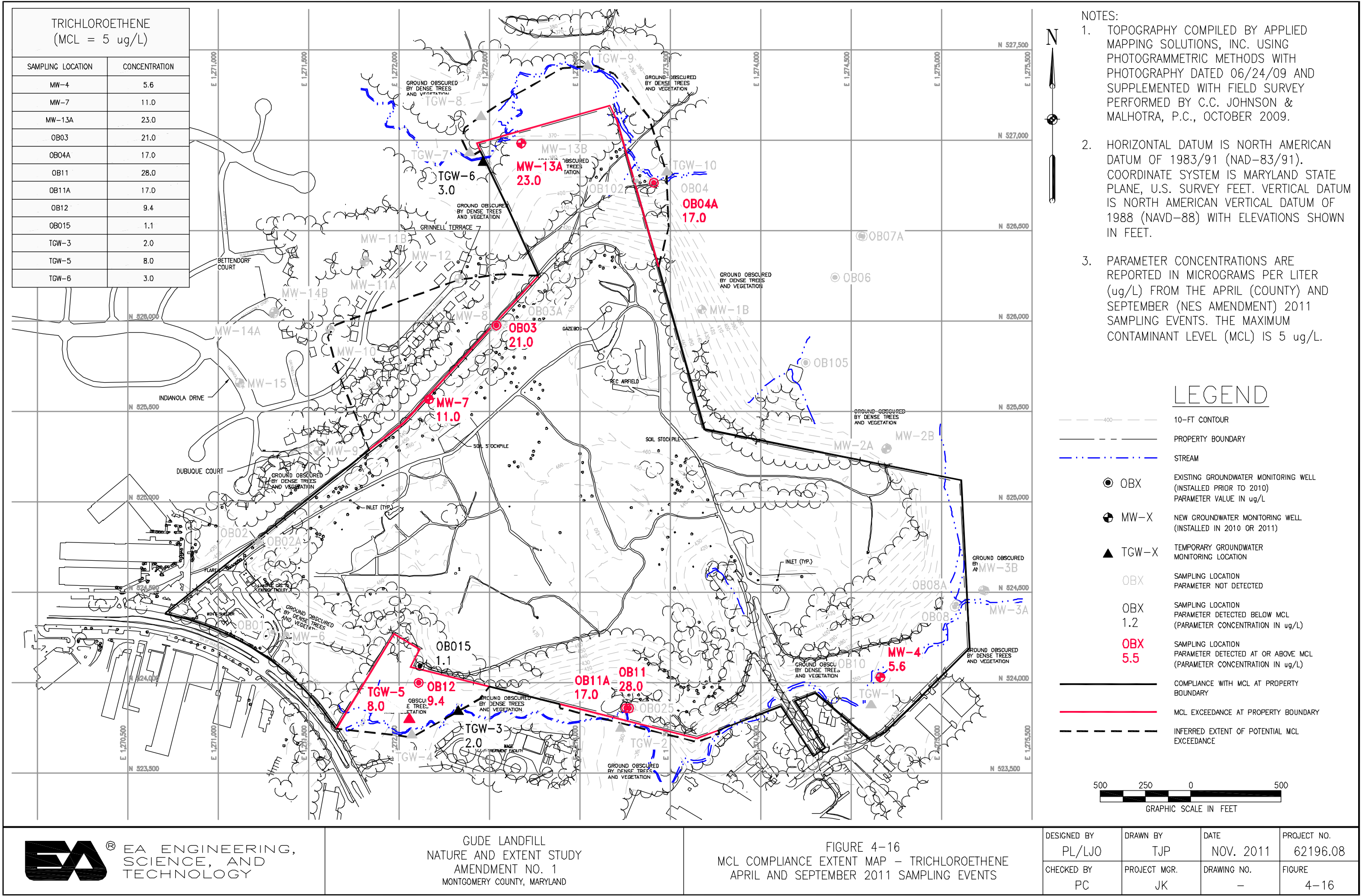


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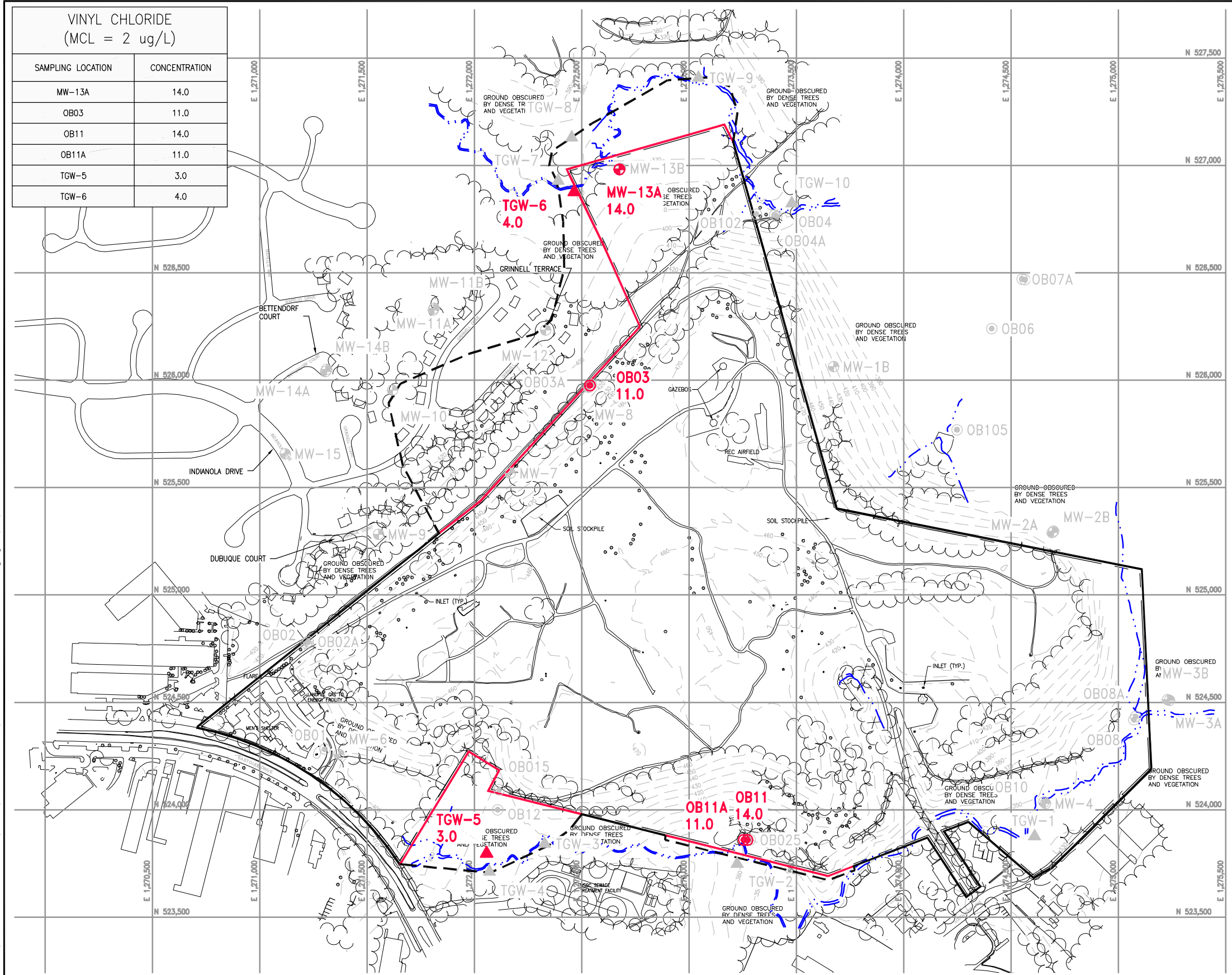


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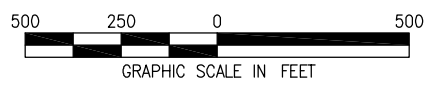
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- NOTES:
1. TOPOGRAPHY COMPILED BY APPLIED MAPPING SOLUTIONS, INC. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED 06/24/09 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., OCTOBER 2009.
  2. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
  3. PARAMETER CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER LITER (ug/L) FROM THE APRIL (COUNTY) AND SEPTEMBER (NES AMENDMENT) 2011 SAMPLING EVENTS. THE MAXIMUM CONTAMINANT LEVEL (MCL) IS 2 ug/L.

### LEGEND

- 10-FT CONTOUR
- PROPERTY BOUNDARY
- STREAM
- EXISTING GROUNDWATER MONITORING WELL (INSTALLED PRIOR TO 2010)  
PARAMETER VALUE IN ug/L
- NEW GROUNDWATER MONITORING WELL (INSTALLED IN 2010 OR 2011)
- TEMPORARY GROUNDWATER MONITORING LOCATION
- SAMPLING LOCATION  
PARAMETER NOT DETECTED
- SAMPLING LOCATION  
PARAMETER DETECTED BELOW MCL (PARAMETER CONCENTRATION IN ug/L)
- SAMPLING LOCATION  
PARAMETER DETECTED AT OR ABOVE MCL (PARAMETER CONCENTRATION IN ug/L)
- COMPLIANCE WITH MCL AT PROPERTY BOUNDARY
- MCL EXCEEDANCE AT PROPERTY BOUNDARY
- INFERRED EXTENT OF POTENTIAL MCL EXCEEDANCE



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FIGURE 4-17  
MCL COMPLIANCE EXTENT MAP - VINYL CHLORIDE  
APRIL AND SEPTEMBER 2011 SAMPLING EVENTS

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CHECKED BY PC	PROJECT MGR. JK	DRAWING NO. -	FIGURE 4-17